

Title (en)

Fire detector unit

Title (de)

Brandmeldereinheit

Title (fr)

Unité détectrice d'incendie

Publication

**EP 1253566 B1 20040915 (EN)**

Application

**EP 02000988 A 20020117**

Priority

- JP 2001126771 A 20010424
- JP 2001158343 A 20010528
- JP 2001158303 A 20010528

Abstract (en)

[origin: EP1253566A2] An improved fire detector unit has a plastic base defining a smoke chamber for detection of a smoke density in terms of light scattering due to the smoke particles in the smoke chamber. The base carries a circuit board mounting a light emitting element, a light receiving element, and other components forming a fire detecting circuit responsible for generating a fire warning signal based upon the detected smoke density. A metal-made electromagnetic shield is molded into the base to protect the light receiving element from electromagnetic radiation noises. The electromagnetic shield includes a ground terminal for connection with a ground line of the circuit board. In addition, terminal pins are molded into the base for electrical and physical connection of the circuit board to the base. <IMAGE>

IPC 1-7

**G08B 17/107**

IPC 8 full level

**G08B 17/107** (2006.01)

CPC (source: EP KR US)

**G08B 17/06** (2013.01 - EP US); **G08B 17/107** (2013.01 - EP KR US); **G08B 17/113** (2013.01 - EP US); **G08B 29/183** (2013.01 - EP US)

Cited by

EP2614493A4; EP2166520A4; EP3018640A3; EP2650852A1; FR2964743A1; EP2595132A3; EP3261072A1; EP2109085A3; EP2472486A1; EP2685437A4; US9267885B2; US8878683B2; US10096222B2; WO2012035259A1; WO2010048991A1; US11430313B2; US8106784B2; US11887450B2; WO2019217579A1

Designated contracting state (EPC)

DE GB SE

DOCDB simple family (publication)

**EP 1253566 A2 20021030**; **EP 1253566 A3 20030507**; **EP 1253566 B1 20040915**; AU 762183 B2 20030619; AU 9710901 A 20021031; CN 1180384 C 20041215; CN 1383107 A 20021204; DE 60201208 D1 20041021; DE 60201208 T2 20050929; KR 100453489 B1 20041015; KR 20020083111 A 20021101; TW I235965 B 20050711; US 2002154018 A1 20021024; US 6737977 B2 20040518

DOCDB simple family (application)

**EP 02000988 A 20020117**; AU 9710901 A 20011206; CN 02100916 A 20020108; DE 60201208 T 20020117; KR 20010084999 A 20011226; TW 90130186 A 20011206; US 4062902 A 20020109